

## $B_c^+$ background systematical uncertainty

	$p_T(B) > 4 \text{ GeV}/c$	$p_T(B) > 6 \text{ GeV}/c$
Misidentified muon	5.7	5.5
Doubly misidentified	0.9	0.8
$b\bar{b}$ (illustration only)	7.3 (st+sys)	7.0 (st+sys)
Other decay modes	$+6.0$ $-2.8$	$+5.6$ $-2.5$
Total systematics	$+8.3$ $-6.4$	$+7.9$ $-6.1$

Note:  $b\bar{b}$  background listed for the illustration purpose only. It's uncertainty was included in the  $B_c^+$  statistical uncertainty.